

Appl. No. 10/600,380
Amdt. dated February 11, 2008
Reply to Office Action of October 10, 2007

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Please amend claims 1, 9, and 19-22 as follows:

1. (currently amended) A call forwarding method for routing a call through a plurality of different networks, the method comprising:
 - ~~receiving a call in a subscriber's home network based on the subscriber's public address;~~
 - ~~assigning a first call identifier for said a call received in the a subscriber's home network based on the subscriber's public address;~~
 - ~~determining a second network where the subscriber a destination point for the call may be located;~~
 - ~~obtaining a second call identifier for said call from the second network, wherein the second call identifier is part of a first routing information;~~
 - ~~obtaining an identification of a first network interface through which said call may be routed, wherein the identification of the first network interface is part of the first routing information;~~
 - ~~sending the first routing information from an integrated management component to the subscriber's home network, wherein the subscriber's home network extending said call from the subscriber's home network through the first network interface into the second network using the first call identifier and the second call identifier;~~

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receiving a message in an integrated location management component that the call is to be forwarded to a third network;

determining a second routing information to the third network, wherein the second routing information includes identification of a second network interface through which the call may be forwarded; and

sending from the integrated location management component the second routing information to the subscriber's home network to indicate the call is to be forwarded to the third network, wherein the call to the second network is terminated by the subscriber's home network and the call is extended from the subscriber's home network through the second network interface to the third network

~~terminating the call to the second network; and~~

~~extending the call from the first network directly to the third network.~~

2. (original) A method in accordance with claim 1 further including:

storing the first call identifier in association with the second call identifier.

3. (original) A method in accordance with claim 2 further including:

storing the identification of the first network interface in association with the first call identifier and the second call identifier.

4-8. (canceled)

9. (currently amended) An integrated location management apparatus for use by a plurality of networks at least two of which employ different protocols for call forwarding, said

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integrated location management apparatus supporting inter-protocol call forwarding and comprising:

- means for obtaining a first call identifier for a call responsive to a request from a subscriber's home network;
- means for determining a second network where the subscriber may be located;
- means for obtaining a second call identifier for the call from the second network having a first call forwarding protocol;
- means for obtaining an identification of a first network interface through which the call may be routed;
- means for communicating the identification of the first network interface, the first call identifier and the second call identifier to the subscriber's home network, wherein the subscriber's home network extends the call from the subscriber's home network through the first network interface to the second network; and
- means for obtaining a third call identifier from a third network and routing information to the third network responsive to an indication from the second network that the call is to be forwarded to the third network, the third network having a second and different protocol; and
- means for communicating the third call identifier and the routing information to the subscriber's home network, wherein the subscriber's home network terminates the call to the second network and the call is extended from the subscriber's home network to the third network.

10. (previously presented) An integrated location management apparatus in accordance with claim 9 further including:

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a database holding location information for said plurality of networks and supporting inter-operability with said different protocols for call forwarding.

11. (original) An integrated location management apparatus in accordance with claim 10 wherein the database is further configured to store the identification of the first network interface in association with the first call identifier and the second call identifier.

12. (original) An integrated location management apparatus in accordance with claim 9 wherein said integrated location management apparatus is configured to identify itself as an origin of the call to the second network in order to obtain the second call identifier.

13-14. (canceled)

15. (previously presented) The method of claim 1 further comprising:
obtaining a third call identifier for said call from the third network.

16. (previously presented) The method of claim 15 further comprising:
storing the third call identifier with an identification of the second network interface.

17. (previously presented) The integrated location management apparatus of claim 9 further comprising:

means for forwarding the call from the first network to the third network.

18. (previously presented) The method of claim 1 further comprising:
obtaining a second identification of a second network interface through which the call may be routed.

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19. (currently amended) The method of claim 18 wherein extending the call from the first-subscriber's home network through the second network interface directly to the third network comprises:

obtaining a third call identifier for said call from the third network; and

extending said call from the subscriber' home network through the second network interface ~~into~~ directly to the third network using the first call identifier and the third call identifier.

20. (currently amended) A call forwarding method for routing a call through a plurality of different networks, the method comprising:

establishing a first call path from an originating network to a first destination network under control of an integrated location management component coupled to the originating network and the first destination network;

detecting, in the integrated location management component coupled a second destination network, a call forwarding condition to extend the call to a ~~the~~ second destination network;

terminating the first call path based on information received in the originating network from the integrated location management component of a call forwarding situation, wherein the first call path is terminated by the originating network; and

establishing a second call path from the originating network directly to the second destination network, wherein the originating network is utilized to establish the call.

21. (currently amended) The method of claim 20 wherein the establishing a first call path step comprises:

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receiving a call in the originating network based on the subscriber's public address;
assigning a first call identifier for said call associated with the originating network;
determining a the first destination network where the subscriber may be located;
obtaining a second call identifier for said call associated with the first destination network;

determining a first call gateway through which said call may be routed; and
extending said call from the originating network through the first call gateway to the first destination network using the first call identifier and the second call identifier.

22. (currently amended) The method of claim 20 wherein the detecting step comprises:

receiving a message in ~~an~~ the integrated location management component that the call is to be forwarded to a the second destination network.

23. (previously presented) The method of claim 20 wherein the establishing a second call path step comprises:

obtaining a third call identifier for said call associated with the second destination network;

determining a second call gateway through which said call may be routed; and
extending said call from the originating network through the second call gateway to the second destination network using the first call identifier and the third call identifier.